

In the claims:

1. (Currently Amended) An installation for the treatment and further processing of thermoplastics, comprising

- an extruder (1), which has
 - a housing (2),
 - at least one screw (5, 5') disposed in the housing (2),
 - an electric motor (6) coupled with the at least one screw (5, 5'), said electric motor having a run-up time t_H and a deceleration time t_B , wherein said electric motor is coupled to said screw in a manner to drive said screw when said electric motor is running and
 - at least one metering device (10, 14) with a metering motor (12, 15), said metering motor having a run-up time t_H and a deceleration time t_B ;
- a processing unit (26, 30) directly downstream of the extruder (1), said processing unit having a drive (28), said processing unit having cycle time t_T and intermittently drivable at a cycle time,
 - ~~which has a drive (28) to be actuated at a cycle time t_T , and~~
- a control unit (29), electronically interfaced ~~which is connected~~ with the electric motor (6), ~~that serves for driving of the at least one screw (5, 5'), with the metering motor (12, 15) of the at least one metering device (10, 14), and with the drive (28) of the processing unit (26, 30), and~~
 - wherein said control unit is configured and interfaced to: control said drive of said processing unit to intermittently operate for said cycle time t_T , control said electric motor and said metering motor so as to trigger their operation in accordance with the cycle time t_T , and only trigger the operation of the electric motor and metering motor when a melt strand is ready to be extruded to the processing unit, and
 - wherein said metering motor and electric motor have identical run-up and deceleration times. which is formed for triggering the electric motor (6) and the at least one metering motor (12, 15) by the cycle time t_T of the processing unit (26, 30) only when a melt strand (38) is to be extruded to the processing unit (26, 30), and
- ~~wherein the control unit (29) is formed such that the electric motor (6) for driving of the at~~

~~least one screw (5, 5') and the at least one metering motor (12, 15) have identical run-up times t_H ; and~~

~~wherein the control unit (29) is formed such that the electric motor (6) for driving of the at least one screw (5, 5') and the at least one metering motor (12, 15) have identical deceleration times t_B .~~

2. (Cancelled)

3. (Cancelled)

4. (Original) An installation according to claim 1, wherein $t_T \leq 5$ min. applies to the cycle time t_T .

5. (Original) An installation according to claim 4, wherein $t_T \leq 2$ min. applies to the cycle time t_T .

6. (Original) An installation according to claim 5, wherein $t_T \leq 40$ sec. applies to the cycle time t_T .

7. (Previously Presented) An installation according to claim 1, wherein the extruder (1) comprises a first metering device (10) and a second metering device (14).

8. (Previously Presented) An installation according to claim 1, wherein the extruder (1) comprises an inlet (16) for rovings (17).

9. (Original) An installation according to claim 1, wherein the processing unit is a plunger-injection molding machine (30).

10. (Withdrawn) An installation according to claim 1, wherein the processing unit is a press (26).

11. (Withdrawn) An installation according to claim 10, wherein an intermittently drivable cutting unit (21) is disposed downstream of the ~~screw-type compounding unit~~ (1).

12. (Withdrawn) An installation according to claim 10, wherein an intermittently drivable conveying device (23) is disposed upstream of the press (26).

13. (Previously Presented) An installation according to claim 1, wherein the extruder (1) is a twin-screw machine.

14. (Previously Presented) An installation according to claim 1, wherein the extruder (1) is a twin-screw extruder.

15. (Withdrawn) An installation according to claim 11, wherein an intermittently drivable conveying device (23) is disposed upstream of the press (26).

16. (Withdrawn) A method for the operation of an installation for the treatment and further processing of thermoplastics, comprising

- a screw-type compounding unit (1), which has
 - a housing (2),
 - at least one screw (5, 5') disposed in the housing (2),
 - an electric motor (6) coupled with the at least one screw (5, 5'), and
 - at least one metering device (10, 14) with a metering motor (12, 15);
- a processing unit (26, 30) directly downstream of the screw-type compounding unit (1) and intermittently drivable at a cycle time t_T ,
 - which has a drive (28) to be actuated at a cycle time t_T , and
- a control unit (29), which is connected with the electric motor (6) that serves for actuation of the at least one screw (5, 5'), with the metering motor (12, 15) of the at least one metering device (10, 14) and with the drive (28) of the processing unit (26, 30), and
 - which is formed for triggering the electric motor (6) and the at least one metering motor (12, 15) by the cycle time t_T of the processing unit (26, 30),

wherein the electric motor (6) and the at least one metering motor (12, 15) are triggered by the

cycle time t_T of the processing unit (26, 30).

17. (Withdrawn) A method according to claim 16, wherein the electric motor (6) for actuation of the at least one screw (5, 5') and the at least one metering motor (12, 15) are triggered by identical run-up times t_H .

18. (Withdrawn) A method according to claim 16, wherein the electric motor (6) for actuation of the at least one screw (5, 5') and the at least one metering motor (12, 15) are triggered by identical deceleration times t_B .